

A B S T R A C T

A SYSTEM FOR PURGING SULFATE FROM A NOx TRAP FOR A MOTOR
VEHICLE ENGINE

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This system in which the NOx trap (1) is associated
with catalyst-forming means (2) integrated in an exhaust
line (3) of a vehicle engine (4), and in which the engine
is associated with common manifold or "rail" fuel feeder
10 means (7, 8) for feeding it with fuel and adapted, by
modifying control parameters for the operation of the
engine, to cause the engine to switch between lean
mixture operation (9) and rich mixture (10), is
characterized in that the fuel feeder means (7, 8) are
15 adapted to define three strategies (11, 12, 13) for
controlling lean mixture operation of the engine (9), and
in that the fuel feeder means (7, 8) are adapted to cause
the engine to switch between its various strategies in
order to keep the trap (1) in a temperature window of
20 maximum effectiveness.

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35 Translation of the title and the abstract as published by the PCT Authorities,
possibly after making changes, ex officio, e.g. under PCT Rules 37.2, 38.2, and/or
48.3.